

# Lucas County Storm Water Management 6117 District

Financial Business Plan  
SWAC Meeting 3  
April 23, 2009





# 5 Year Business Plan Highlights

- Recommendation: 5 year rate plan.
- Why: Rates increase each year.
  - Minimize costs in early years.
  - Gradually build funding for the program so that financing doesn't outpace ability to perform work.
- Where does the money go: 3 distinct cost categories
  - Water Quality (NPDES Permit costs).
  - Water Quantity (Drainage and Flooding costs).
  - Other Funding Sources (County Departments/Agencies).



# 5 Year Business Plan Highlights

- Today's presentation includes key highlights (not intended to show 100% of all cost categories).
- Computer model includes all costs in great detail.
- Auditor provides billing services 2 times per year.



# Program Policies

- First billing date – January 2010
- No exemptions
- Impervious area rate structure





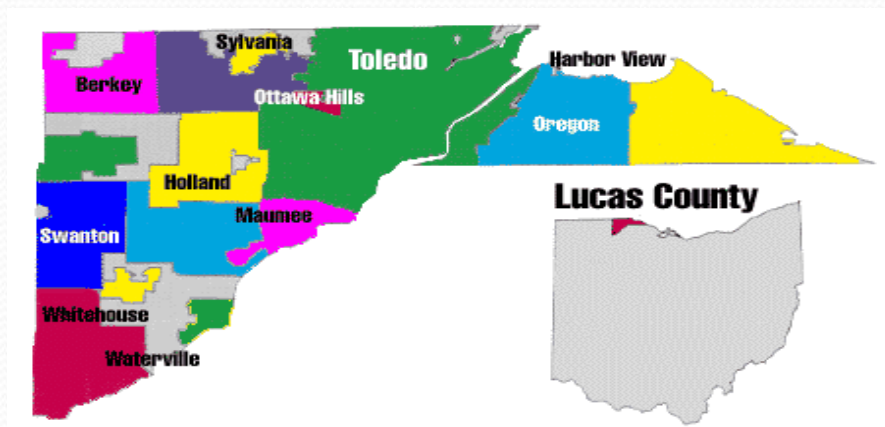
# Program Policies

- Residential
  - Single family, Duplexes, Farms
- Non-Residential
  - All other including tax exempt
- Considerations:
  - Gravel impervious
  - Public roadways part of MS4
  - Owner gets the bill



# Service Area Definition

- Fee will be countywide including all Townships, Holland and Waterville.
- Holland and Waterville will need legal action to join.
- Water Quality charge will be assessed countywide.
- Water Quantity will require changes to Ohio Revised Code.





# Rate Study Analysis

- Rate is in direct correlation to the level of service.
- Current considerations of minimum and desirable service levels examined by TAC provide a range of \$4.00 - \$7.00 per ERU per month.
- Rate Reductions are directly related to reductions in level of service activities



# 5 Year Rate Recommendation

5 Year Rate Recommendation	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Water Quality / NPDES RATE</b>	\$4.06	\$ 4.97	\$ 5.77	\$ 6.31	\$ 6.80
<b>Drainage / Flooding RATE</b>	\$ 0.82	\$ 0.85	\$ 0.87	\$ 0.91	\$ 0.94
<b>Total Combined RATE</b>	\$ 4.88	\$ 5.81	\$ 6.64	\$ 7.22	\$ 7.74



# 5 Year NPDES Permit Cost Highlights

<b>I. Water Quality / NPDES Activities</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
<b>Health Dept. Outfall Inspector (FTE 1)</b>		X			
<b>GIS Survey Tech (FTE 2)</b>	X				
<b>Construction Inspector (FTE 3)</b>		X			
6 MCMs	\$240,120				
Sampling	X				
Startup Loan Repayment	\$173,995				
Grant Matching		\$53,561			
Joint Project Matching			\$221,744		
Reserve Fund	\$51,750				
Emergency Fund	\$51,750				
Repair and Replacement	\$51,750				
Engineering	X				
Engineering (Ditch Studies)		X			
Ditch Maintenance	X				
Street Sweeping (current)	X				
Street Sweeping (increased)		X			
Ditch (current)	X				
Ditch (increased)	X				
Sewer Projects	X				
Capital Improvements Projects (CIP)	\$450,000	\$550,000	\$770,000	\$1,000,000	\$1,200,000

X – identifies when service begins and continues

# 5 Year Drainage Flooding Cost Highlights

II. Drainage / Flooding Activities	Year 1	Year 2	Year 3	Year 4	Year 5
Drainage Complaints	X				
Drainage Studies	X				
Capital Improvements Projects (CIP) ***	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

\*\*\* Funded By County Engineer



# Other Funding Sources

<b>III. Other Funding (Departments/Agencies)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
<b>Lucas County Engineers Office</b>	X				
Storm Water Manager (100%)					
GIS Support (50%)					
County Engineer (25% included)					
Inspector (25%)					
<b>Lucas County Sanitary Engineers Office</b>	X				
Sanitary Engineer (various)					
<b>Soil and Water Conservation</b>	X				
<b>TMACOG / Storm Water Coalition</b>	X				
<b>Keep Toledo Lucas County Clean</b>	X				
<b>Student Watershed Sampling Program</b>	X				
<b>Green Infrastructure Program</b>	X				
<b>Toledo Lucas County Health Department</b>	X				

# Business Plan Rate Model Assumptions

- Inflation rate of 3.5%,
- Credit cost rate of 5%
- Uncollectible rate of 2%
- TMACOG, Storm water Coalition, Soil & Water required
- Approximately 50,600 monthly ERU's
  - approximately 29,100 monthly residential ERU's
  - approximately 21,500 monthly non residential ERU's
- Approximately 607,000 annual ERU's
  - Approximately 349,000 annual residential ERU's
  - approximately 258,000 annual non residential ERU's





# Business Plan Rate Model Assumptions

- Pay as you go for CIP (no debt assumed)
- Storm water Manager funded by County Engineer budget
- Dedicates 25% of County Engineer's time/salary to storm water program
- 3 new employees to perform tasks currently not being performed



# Project CIP List

Prairie Ditch #122 ~ Water Quality/Drainage	\$3,500,000
Ten Mile Creek ~ Log Jam Removal	\$70,000
Swan Creek ~ Log Jam Removal	\$128,000
Swan Creek ~ Pond Project	\$3,000,000
Ten Mile Creek Drainage Improvement	<u>\$5,000,000</u>
Total CIP	<b>\$11,698,000</b>
Heldman Ditch #442 ~ Retention Pond	\$950,000
Mayer Ditch #311 ~ Retention Pond	\$280,000
Eisenbraum Ditch ~ Retention Pond	\$450,000
Hill Ditch ~ Retention Pond	<u>\$230,000</u>
Total Pond Projects	<b>\$1,910,000</b>
Grand Total	<b>\$13,608,000</b>



# Total Ditch Project List

\$1,442,760

Peter May Ditch	\$70,400
Greunke Ditch	\$37,800
Zaleski Ditch	\$19,800
Blystone Ditch	\$29,700
Meyer Ditch	\$44,000
Cairl Creek	\$5,500
Morrison Ditch	\$11,000
Harvest/Kitzman Ditch	\$118,800
Van Fleet Ditch	\$29,700
Hill/Donelson Ditch	\$14,300
Brick Ditch	\$45,100
Rhuland Ditch	\$22,000
Baum Ditch	\$40,700



# Ditch Project List (continued)

Newton Ditch	\$25,300
Gowman Ditch	\$62,000
Osborne Ditch	\$7,260
Mollenkopf Ditch	\$58,000
Prairie Ditch	\$86,900
Harris Ditch	\$152,000
Bancroft Street/BoggsDitch	\$8,800
EmerickDitch	\$38,000
Jeffers Ditch (bike)	\$20,000





# Ditch Project List (continued)

Blystone Ditch	\$12,000
Trumbell Ditch	\$15,600
Butler Ditch	\$33,800
Hike/Bike Trail (Wycliff)	\$24,300
Holloway Ditch	\$12,000
Everett Ditch	\$7,700
Geiser Ditch	\$16,800
Butler Ditch	\$24,000
Prairie Ditch	\$50,600
Stone Ditch	\$15,000
Wolf Creek Ditch	\$60,000
Schmitz Ditch	\$171,000
Blue Creek	\$6,000



# Next Steps

- Three additional SWAC Meetings
- Next SWAC meeting to finalize the level of service activities and rate plan
- Final 2 SWAC meeting agenda's discussion include the credits program





# Question and Answer

